a storage element which stores a control program, said control program controlling the operation of a video program corresponding to said video program signal, wherein the storage element further comprises

a first domain for storing a version number of the control program,

a second domain for storing a downloaded program and a predetermined version number indicating a version of the downloaded program,

a third domain for storing the control program, and

a fourth domain for storing a bootstrap program, wherein the bootstrap program controls an initial boot routine, the initial boot routine including automatically updating the downloaded program when the downloaded program is not complete; and

a micro-controller for replacing said control program in the storage element with the downloaded program based on said control information signal, the version number of the control program, and said predetermined version number.

33.   (Three Times Amended) A downloading apparatus for a broadcast receiver, comprising:

a receiver for receiving a broadcast signal having a video program signal and a control information signal representing a new control program;

a first storage element for temporarily storing said control information signal representing the new control program;

a second storage element for storing a control program controlling the operation of a video program corresponding to said video program signal and a predetermined version number indicating a version of the new control program;

a controller for replacing the control program in the second storage element with the new control program based on said control information signal and said predetermined version number;

a third storage element for backing up the control program before the replacing of the control program in the second storage element with the new control program.

38.   (Amended)   A method for downloading a control program from a broadcast signal in a broadcast receiver, comprising:

storing a control program in a first domain of a memory;

storing a predetermined value corresponding to said stored control program in a second domain of the memory;

selecting a name of a control program to be downloaded;

separating a control program corresponding to said selected control program name from a broadcast signal;

backing up said stored control program in a third domain of a memory;

replacing said stored control program with said separated control program corresponding to said program name in said first domain of the memory; and

replacing said stored predetermined value with a version number corresponding to said replaced control program in the second domain of the memory.

42.   (Twice Amended) A method for downloading a control program from a broadcast signal in a digital broadcast receiver, comprising:

examining a byte of a memory indicating a version of a control program stored in said memory during an initial boot routine; and

replacing the stored control program with a new control program from a broadcast signal when said examined byte includes a predetermined value, and processing said broadcast signal based on said control program stored in the memory when said examined byte fails to include the predetermined value.

47.   (Amended)   A method for downloading a control program from a broadcast signal in a broadcast receiver, comprising:

providing a name of a control program to be downloaded;

writing a predetermined valued in a first domain of a memory;

backing up a control program which is stored in a second domain of the memory in another memory;

deleting the control program which is stored in the second domain of the memory;

downloading a control program corresponding to said program name from a broadcast signal into said second domain of the memory;

replacing said predetermined value with a version number corresponding to said downloaded control program in the first domain of the memory.

REMARKS

Applicants amend claims 27, 33, 38, 42, and 47 to more appropriately define the invention. Claims 27-29 and 31-52 are pending. In the Office Action dated February